

S115841



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200
Fax 613 632-5246

C3-OH

Job Sheet OH184233



Part No: C3-OH

Job Qty: 1 ea

Part Name: C-Series Remote Hook 3,000 lbs Lift Capacity



Part Weight: 0 lbs

Status: Scheduled

Priority: Medium

Job Created: 10/4/18

Job Tracking No: RA455

Due Date: 10/18/18

Created By: Michelle Gagnon-Donovan

Type: Rework - OH

Description: SN: AC09005

Note: DWG C3 Rev. 2 IPP Rev. A 18.04.24 new issue DP Verify DD

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard Setup Run hrs Hrs	Workcenter/Supplier	Sign-off
100	Start up Operation	1 Ea	10/18/18	10/18/18	0.00 0.00	Start Up Small Fab-4	18.10.04
110	Small Fab	1 pcs	10/18/18	10/18/18	0.00 1.00	Small Fab-9	18.10.04
120	QC	1 pcs	10/18/18	10/18/18	0.00 0.00	QC5	18.10.04
130	Customer Acceptance	1 pcs	10/18/18	10/18/18	0.00 0.00		18.10.04
140	Outsource	1 pcs	10/18/18	10/18/18		SKY002-VC	18.10.04
150	Packaging	1 pcs	10/18/18	10/18/18	0.00 0.00	Packaging2	18.10.04
160	QC	1 pcs	10/18/18	10/18/18	0.00 0.00	QC6	18.10.04
170	Small Fab	1 pcs	10/18/18	10/18/18	0.00 1.00	Small Fab-9	18.10.04
180	QC	1 pcs	10/18/18	10/18/18	0.00 0.00	QC5	18.10.04
185	DC	1 pcs	10/18/18	10/18/18	0.00 0.00	DC	18.10.04
190	Packaging	1 pcs	10/18/18	10/18/18	0.00 0.00	Packaging3-2	18.10.04
200	QC21-FG	1 Ea	10/18/18	10/18/18	0.00 0.00	QC21	18.10.04

Part Op 110 - TEST ASSEMBLY. DISASSEMBLE ASSEMBLY. INSPECT DAMAGE PART.

Descriptions: 170 - RE-ASSEMBLE. ***All assembly to be done in accordance with manual*** TEST ASSEMBLY.

185 - Photocopy blue file and create labels

Groupe Altech cc OCT 23 2018

Rec'd - NOV 02 2018

OCT 22 2018

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
C3-AR	C-Series Remote Hook 3,000 lbs Lift Capacity	1 Ea (1 ea)	100-Start up Operation	S115586
188-FPSS-1032-1/4	Set Screw	2 Ea (2 ea)	170-Small Fab	S110495
188-FSCS-832-5/8	Clock Spring Cover Screw	4 Ea (4 ea)	170-Small Fab	3058763
2595K22-8183K6	Heat Shrink Tube	1 pcs (1 ea)	170-Small Fab	5066770
32446	Crimp Terminal	2 Ea (2 ea)	170-Small Fab	5047075
600.1309-A	Label	1 Ea (1 ea)	170-Small Fab	5066770
8183K6	Wire Guide/Crip	1 Ea (1 ea)	170-Small Fab	5066770
AN4-16A	Bolt	3 Ea (3 ea)	170-Small Fab	5115056
AN4-17A	Bolt	1 Ea (1 ea)	170-Small Fab	5098021
AN6-15A	Bolt	1 Ea (1 ea)	170-Small Fab	5068641
C2-11	Manual Release Knob	1 Ea (1 ea)	170-Small Fab	5068051
C2-10-1	Lock Spring Pin	1 pcs (1 ea)	170-Small Fab	3058757
C2-11-2	Locating Pin	2 Ea (2 ea)	170-Small Fab	3068886
C2-3-1	Latch Shaft Du Bearing	2 pcs (2 ea)	170-Small Fab	3068886

Plex 10/4/18 7:29 AM Dart.Gagnon.Michelle

C2-3-10	Latch Shaft	1 Ea (1 ea)	170-Small Fab	
C2-3-11	Actuator	1 pcs (1 ea)	170-Small Fab	
C2-3-2	Latch Roller Pin	1 Ea (1 ea)	170-Small Fab	E 5029246
C2-3-2-1	Roller Pin Retaining Ring	2 Ea (2 ea)	170-Small Fab	5111638
C2-3-3	Latch Roller	1 Ea (1 ea)	170-Small Fab	
C2-3-3-1	Latch Roller DU Bearing	1 Ea (1 ea)	170-Small Fab	5120798
C2-3-5	Spacer, Teflon	2 Ea (2 ea)	170-Small Fab	5111642 2
C2-3-6	Latch	1 Ea (1 ea)	170-Small Fab	
C2-3-8	Actuator Shaft Bushing	2 Ea (2 ea)	170-Small Fab	5117506
C2-5-1	Actuator Stop	1 Ea (1 ea)	170-Small Fab	5058759
C3-10-2	Lock Spring	1 Ea (1 ea)	170-Small Fab	5113706
C3-11-1	Side Plate - Solenoid C3-Hook	1 Ea (1 ea)	170-Small Fab	
C3-12-1	Lock Bushing	2 Ea (2 ea)	170-Small Fab	5094886
C3-12-2	Lock Shaft - C3 Hook	1 Ea (1 ea)	170-Small Fab	5080193
C3-12-3	Lock - C3 Hook	1 Ea (1 ea)	170-Small Fab	
C3-12-4	Lock Roller	1 Ea (1 ea)	170-Small Fab	5100620
C3-12-5	Lock Roller Pin	1 Ea (1 ea)	170-Small Fab	5100174
C3-12-6	Lock Roller Pin Circlip	2 Ea (2 ea)	170-Small Fab	5072853
C3-13-1	Keeper Bushing	2 pcs (2 ea)	170-Small Fab	5072854
C3-13-4	KEEPER	1 Ea (1 ea)	170-Small Fab	
C3-13-5	Spring, Keeper	1 Ea (1 ea)	170-Small Fab	E 5029273
C3-2-1	Side Plate C-3 Hook	1 Ea (1 ea)	170-Small Fab	
C3-3-4	Link Pin	2 Ea (2 ea)	170-Small Fab	5075057
C3-3-4-1	Ring, Retaining	5 1 pcs (4 ea)	170-Small Fab	5121999
C3-3-7	Link	1 Ea (1 ea)	170-Small Fab	5048430
C3-3-9	Actuator Spring	1 Ea (1 ea)	170-Small Fab	5128605
C3-4-1	Load Beam Bushing	2 Ea (2 ea)	170-Small Fab	5099320
C3-4-4A	C3 Load Beam Assy	1 Ea (1 ea)	170-Small Fab	
C3-7-1	Load Beam Bumper	1 Ea (1 ea)	170-Small Fab	5100147
C3-7-2	Lock Bumper	2 Ea (2 ea)	170-Small Fab	5110988
C3-8-2	Solenoid	1 Ea (1 ea)	170-Small Fab	
C3-8-4	Solenoid Cover Gasket	1 Ea (1 ea)	170-Small Fab	5107444
C3-8-5	Solenoid Cover	1 Ea (1 ea)	170-Small Fab	
C3-9-1	Clock Spring Cover - C3 Hook	1 Ea (1 ea)	170-Small Fab	
C3-9-2	Spring, Clock	1 pcs (1 ea)	170-Small Fab	
EL-PLUG-M	3-Prong Male Spade Plug	1 Ea (1 ea)	170-Small Fab	
M27500-16TG2T14	Wire - 16-Gauge - Shielded	1 ft (1 ea)	170-Small Fab	5075144
MS21044N4	Nut, Self-Locking	4 Ea (4 ea)	170-Small Fab	5122088
MS21083-N3	Nut	4 2 Ea (2 ea)	170-Small Fab	5076011
MS21083N6	Nut	1 Ea (1 ea)	170-Small Fab	5076012
MS35266-63	Solenoid Cover Screw	1 Ea (1 ea)	170-Small Fab	5076012
MS35266-63	Solenoid Cover Screw	1 Ea (1 ea)	170-Small Fab	5075329
NAS1149F0332P	Washer	2 Ea (2 ea)	170-Small Fab	5103666-2
NAS1149F0363P	Washer	1 Ea (1 ea)	170-Small Fab	5027730
NAS1149F0463P	Washer	8 Ea (8 ea)	170-Small Fab	5078780
NAS1149F0632P	Washer	2 Ea (2 ea)	170-Small Fab	5048297

C3-8-3-1 SELENOID SPACER

1

5107986

* C3-8-2 SELENOID

1

5111400

No CHARGE

Grease aeroshell (M138724)

Loctite 620 (138933)

Saf-T-ize (M128063)

Operation	Component Part	Required	Inventory	Allocated
100-Start up Operation	C3	1	0	0
170-Small Fab	188-FPSS-1032-1/4	2	278	0
	188-FSCS-832-5/8	4	52	0
	2595K22	1	49	0
	32446	2	576	0
	600.1309-A	1	0	0
	8183K6	1	6	0
	AN4-16A	3	428	0
	AN4-17A	1	120	0
	AN6-15A	1	19	0
	C2-1-1	1	11	0
	C2-10-1	1	89	0
	C2-11-2	2	80	0
	C2-3-1	2	51	0
	C2-3-10	1	13	0
	C2-3-11	1	8	0
	C2-3-2	1	0	0
	C2-3-2-1	2	110	0
		1	1	0
			10	0

DART
AEROSPACE

Container No: S115841

Part: C3

Job No: OH184233

Serial No/Batch: AC09005

Revision: 2

Inspector:

Exp Date:

Instructions:

Date: 10/10/18

Hawkesbury, ON K6A 1K7
CANADA
TEL.: 1 613 632-5200
Email: sales@dartaero.com
www.dartaerospace.com

Specifications could not be found.

Inspection Sheet Complete RA455

									Customer QA Ref #			
Part Number	Original Batch / Serial # / Ctrl #	Original Revision #	Quantity	Part Complete	Rev/CHG Current	New Paperwork	New Labels	Disposition	Original Container #	New (Receiving) Serial #	New Job #	Work order instructions
C3	AC09005		1	☒ yes	☐ yes	☐ yes	☐ yes	CUSTOMER SUPPLIED	AC09005	S115586		Overhaul
0			0	☐ yes	☐ yes	☐ yes	☐ yes					
0			0	☐ yes	☐ yes	☐ yes	☐ yes					
0			0	☐ yes	☐ yes	☐ yes	☐ yes					
0			0	☐ yes	☐ yes	☐ yes	☐ yes					
0			0	☐ yes	☐ yes	☐ yes	☐ yes					
0			0	☐ yes	☐ yes	☐ yes	☐ yes					

QC Approval: _____ 0

Date: 0-Jan-00 _____

Special Return/Rework Instructions:



Remote Cargo Hook Test Form

C3

Pre Disassembly

MAKE SURE YOU ARE USING THE CORRECT TEST FORM FOR THE CORRECT SOLENOID!

NEW SOLENOID (152951-001)

Work Order 0H184233

Customer RA 455

Serial Number AC09005

Date 10/10/18

# of Releases	Load (Lbs.)	Release Method	Remarks	Result	Pass/Fail
1	7,500	Static Hold	Hold for two minutes and reduce load to zero	N/A	Pass
10	1,500	Electircal, 25 volts	No "hang ups" permitted	N/A	Pass
2	3,000	Electircal, 22 volts	Current shall not exceed 12.8 A	8.8 A	Pass
2	2,500	Electircal, 22 volts	Current shall not exceed 12.8 A	8.8 A	Pass
2	2,000	Electircal, 22 volts	Current shall not exceed 12.8 A	8.8 A	Pass
2	1,500	Electircal, 22 volts	Current shall not exceed 12.8 A	8.8 A	Pass
2	500	Electircal, 22 volts	Current shall not exceed 12.8 A	8.8 A	Pass
1	3,000	Electircal, 20 volts	Current shall not exceed 11.6 A	7.9 A	Pass
1	3,000	Electircal, 28 volts	Current shall not exceed 16.2 A	11.0 A	Pass
1	3,000	Manual		N/A	Pass
1	3,000	Impact Test	Impact shackle 10x , shall not release	N/A	Pass
1	N/A	Solenoid Ohms	Shall not exceed 1.7-2.0 Ω	2.0 Ω	Pass
1	N/A	Electircal Continuity	Across both wires	N/A	Pass

Test Conducted By: Francis Laevox
Technician

Signature: _____
QC 5 Small FAB / QA

Submit



Remote Cargo Hook Test Form

C3

Pre disassembly

MAKE SURE YOU ARE USING THE CORRECT TEST FORM FOR THE CORRECT SOLENOID!

NEW SOLENOID (152951-001)

Work Order 0H184233

Customer RA455

Serial Number AC09005

Date 10/10/18

# of Releases	Load (Lbs.)	Release Method	Remarks	Result	Pass/Fail
1	7,500	Static Hold	Hold for two minutes and reduce load to zero	N/A	Pass
10	1,500	Electircal, 25 volts	No "hang ups" permitted	N/A	Pass
2	3,000	Electircal, 22 volts	Current shall not exceed 12.8 A	8.8 A	Pass
2	2,500	Electircal, 22 volts	Current shall not exceed 12.8 A	8.8 A	Pass
2	2,000	Electircal, 22 volts	Current shall not exceed 12.8 A	8.8 A	Pass
2	1,500	Electircal, 22 volts	Current shall not exceed 12.8 A	8.8 A	Pass
2	500	Electircal, 22 volts	Current shall not exceed 12.8 A	8.8 A	Pass
1	3,000	Electircal, 20 volts	Current shall not exceed 11.6 A	7.9 A	Pass
1	3,000	Electircal, 28 volts	Current shall not exceed 16.2 A	11.0 A	Pass
1	3,000	Manual		N/A	Pass
1	3,000	Impact Test	Impact shackle 10x, shall not release	N/A	Pass
1	N/A	Solenoid Ohms	Shall not exceed 1.7-2.0 Ω	2.0 Ω	Pass
1	N/A	Electircal Continuity	Across both wires	N/A	Pass

Test Conducted By:

Francis Lacroix

Technician

Signature:

QC 5 Small FAB / QA

Submit



DATE: 10/10/18

N.D.T

MODEL: C3

S/N : ACB9005

Job : BH184233 RA.# 455

P/N	DESCRIPTION	QUANTITY
C3-11-1	Side Plate housing	1
C3-2-1	Side Plate cover	1
C3-4-4A	Load Beam	1
C2-3-11	Actuator shaft	1
C3-3-7	Link	1
C3-3-4	Link Pins	2
C2-3-6	Latch	1
C2-3-3	Latch Roller	1
C2-3-2	Latch Roller Pin	1
C2-3-10	Latch shaft	1
C3-12-3	Lock	1
C3-12-2	Lock shaft	1
C3-12-4	Lock Roller	1
C3-12-5	Lock Roller Pin	1



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER **PO041240**

Supplier: SKY002-VC
Skyservice
6120 Midfield Road
Mississauga
ON
L5P 1B1 Canada
Phone: 905-678-5636
Fax: 905-678-5841

PO No: PO041240
PO Date: 10/3/18
Due Date: 10/16/18

Purchase Order
Revision:

Revision Date:

Ship-To Contact: Phone:

E-MAILED
OCT 11 2018

Via: Ground

Pymt Terms: Net 30

Freight Terms:

Special Comments:

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

Items

Line Item	Job	Part	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1		C3-OH	C-Series Remote Hook 3,000 lbs Lift Capacity	Firmed	-	10/16/18	1 pcs	0 pcs	1 pcs	\$178.00/pcs	\$178.00

Line Item Note MAGNAFLUX

Grand Total: \$178.00

Order Notes

Procurement Quality Clauses

A005 right of entry
A012 chemical and physical test report
A016 personnel qualification
A017 raw material identification (as applicable)

A022 Apical Processing
A024 process certifications
A026 certification of material conformance

A041 quality management system
A042 dart notification by supplier
A043 retension of quality documents

A048 counterfeit parts avoidance, detection, mitigation and disposition program

A049 supplier awareness

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Plex 10/11/18 8:26 AM dart.lavoie.chantal

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25

**skyservice****Work Order Traveler**
Sky Service F.B.O. Inc.

10105 Ryan Avenue, Dorval, Quebec, H9P 1A2

TCCA AMO 53-89 / EASA 145.7142 / BDA AMO 385

WO #: MWO37767	Customer: Dart Aerospace Ltd.	Dept: NDT YUL	Reference: PO041240 ✓
Descr:	PN:	S/N:	Qty: 1
Make:	Model:	Reg:	A/C S/N:
TSN:	CSN:	TSO:	
Task: UNSCHEDULED			Sequence: 1

Work Required:

CARRY OUT NDT ON :

1 C-SERIES REMOTE HOOK , P/N : C3-OH , J/S : OH184233 ✓

Action Taken:	Date:	Initial/Stamp:
LIQUID PENETRANT & MAGNETIC PARTICLES INSPECTION CARRIED OUT AS PER ASTM E-1444M-16 & E-1417M-16 NO CRACK FOUND MAGBENCH S/N 208123 CAL DUE: 16-OCT-2018 POWDER 14A BATCH# MPO13600 CARRIER II BATCH# MPO13923 BLACK LIGHT - M20186 PEN ZL-37, MPO13139, CLEANER SKC-S MPO15030 , DEV. MPO15030 , EMU.(ZR-10B,MPO15896) BLACK LIGHT - M20186	OCT 15 2018	LM DOT-APP 278 53-89 JAS 38 9-89

I certified that the maintenance described above has been performed in accordance with the applicable standard of airworthiness.

Signature:	ACA/SCA Stamp	Date:
Name: LUCA MARCHETTA	DOT-APP 278 53-89	OCT 15 2018

OCT 12 2018

9-88
33
100

OCT 12 2018

CA MARCHETTA



DATE: 2018/10/22

NICKEL PLATING

MODEL: C3

S/N : AC09005 / 0H184233 / RA455

P/N	DESCRIPTION	QUANTITY
C3-4-4A	LOAD BEAM	1
C3-13-4	KEEPER	1
C3-12-3	LOCK	1
C3-12-4	LOCK ROLLER	1
C3-12-5	LOCK ROLLER PIN	1
C2-3-3	LATCH ROLLER	1
C3-12-2	LOCK SHAFT	1

ALAIN PATRY

11/2/3

1	11-1-83
2	11-1-83
3	11-1-83
4	11-1-83
5	11-1-83
6	11-1-83
7	11-1-83
8	11-1-83
9	11-1-83
10	11-1-83



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER **PO041423**

Supplier: GRO002-VC
Group Altech
2455 Halpern
St Laurent
QC
H4S 1N9 Canada
Phone: 514-335-3666
Fax: 514-335-3868

PO No: PO041423
PO Date: 10/23/18
Due Date: 10/31/18
Purchase Order
Revision:
Revision Date:
Ship-To Contact: Phone:

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

Via: Ground
Pynt Terms: Net 60
Freight Terms:
Special Comments:

Items

Line Item	Job	Part	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1	OH184233	C3-OH	-Issue P/O to Groupe Altech: P/O -Nickel plate, QQ-N-290, Class 2, Grade E or F ****verify plating thickness, grade could change**** -Nickel Plate .0004- .0006 - Certificate of Conformity is required	Firmed	-	10/31/18	1 pcs	0 pcs	1 pcs	\$150.00/pcs	\$150.00

Grand Total: \$150.00

Order Notes

Procurement Quality Clauses
A005 right of entry
A012 chemical and physical test report
A016 personnel qualification
A017 raw material identification (as applicable)

A022 Apical Processing
A024 process certifications
A026 certification of material conformance

A041 quality management system
A042 dart notification by supplier
A043 retension of quality documents

A048 counterfeit parts avoidance, detection, mitigation and disposition program

A049 supplier awareness

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Plex 10/23/18 1:57 PM dart.tsimiklis.chrisoula



Certificat de Conformité / Certificate of Compliance

(013785-1)

2455, Rue Halpern | Saint-Laurent | Québec | H4S 1N9
 Tel: 514-335-3666 Fax: 514-335-3868
 www.groupaltech.com

Bon de Livraison / Packing Slip

013785-1

Livré à / Ship to

DART AEROSPACE LTD
 1270 ABERDEEN STREET
 HAWKESBURY, ON, K6A1K7
 CANADA
 Tel.: 613-632-5200 Fax.:

Client / Customer:

DART AEROSPACE LTD
 1270 ABERDEEN STREET
 HAWKESBURY, ON, K6A1K7
 CANADA
 BUYER:

Date expédition Ship date		Créé Par Generated By	Transport / No de Compte Courier / Acc. No.	Bon de commande Client Customer Purchase Order No.				
26-Oct-2018		Aman		041423 ✓				
#Ligne Line#	No. de Série / # Pièce Part Number / Line Item Details Job # / Ref #	Description pièce(s)	CATG. U/M	Comm. /Ordered	Exp/ Shipped	Qté NC/ NC Qty	Qté Scrap/	À venir/ Back Order
1	C3-OH ✓ Rev.	C3-OH ✓ 01 -E-NIC STEEL 200 [E-NICKEL STEEL 200] QQ-N-290 CLASS 2 GRADE E OR F 0.0004 TO 0.0006 THICK BAKE AFTER PLATING	E-NICKEL STEEL LOT	1	1	0	0	0

Notes Additionnelles / Additional Notes

Epaisseur réelle
Actual Thickness
Inspecteur Qualité
Quality Inspector
Réçu par
Received By

Nous certifions que les pièces énumérées ci-dessus ont été traitées en conformité avec votre commande et vos spécifications et rencontrent les exigences.
 Notre responsabilité financière et légale ne sera pas supérieure au montant de la facture issue.

We hereby certify that the parts listed above have been process in accordance with your purchase order and specifications and are in conformance with your requirements.
 Our financial and legal responsibility will not be higher than the amount of invoice.

126634



Remote Cargo Hook Test Form

C3

MAKE SURE YOU ARE USING THE CORRECT TEST FORM FOR THE CORRECT SOLENOID!

NEW SOLENOID (152951-001)

Work Order 04184233

Customer RA 455

Serial Number AC09005

Date 2018-11-26

# of Releases	Load (Lbs.)	Release Method	Remarks	Result	Pass/Fail
1	7,500	Static Hold	Hold for two minutes and reduce load to zero	N/A	Pass
10	1,500	Electircal, 25 volts	No "hang ups" permitted	N/A	Pass
2	3,000	Electircal, 22 volts	Current shall not exceed 12.8 A 9.0	A	Pass
2	2,500	Electircal, 22 volts	Current shall not exceed 12.8 A 8.5	A	Pass
2	2,000	Electircal, 22 volts	Current shall not exceed 12.8 A 8.5	A	Pass
2	1,500	Electircal, 22 volts	Current shall not exceed 12.8 A 8.0	A	Pass
2	500	Electircal, 22 volts	Current shall not exceed 12.8 A 8.0	A	Pass
1	3,000	Electircal, 20 volts	Current shall not exceed 11.6 A 7.5	A	Pass
1	3,000	Electircal, 28 volts	Current shall not exceed 16.2 A 9.5	A	Pass
1	3,000	Manual		N/A	Pass
1	3,000	Impact Test	Impact shackle 10x , shall not release	N/A	Pass
1	N/A	Solenoid Ohms	Shall not exceed 1.7-2.0 Ω 2.0	Ω	Pass
1	N/A	Electircal Continuity	Across both wires	N/A	Pass

Test Conducted By:

Michel Relande

Technician

Submit

Signature:

Sylvie Pouchet
QC 5 Small FAB / QA

